

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_MA0005_01_s_2013_11				
Comment Code					
Inspector Comment					
The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_MA0005_01_s_2013_12				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	13
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_MA0005_01_s_2013_13				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2019.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	0.02	Rating **	M	Issue No.	60
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.697079 °	39.696127 °
				-121.773772 °	-121.775013 °
DWR ID	DWR_MA0005_01_f_2019_60				
Comment Code					
DE : Debris					
Inspector Comment					
Remove all of the pruninings and debris from the waterside slope and toe.					

No Photos

LM Start	0.07	Rating **	M	Issue No.	46
LM End	0.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.696611 °	39.696611 °
				-121.774349 °	-121.774349 °
DWR ID	DWR_MA0005_01_f_2016_46				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_MA0005\_196\_46\_20190822\_00022.jpg



View of the damaged slope by foot traffic.

LM Start	0.16	Rating **	M	Issue No.	45
LM End	0.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.695629 °	39.694969 °
				-121.775650 °	-121.776394 °
DWR ID	DWR_MA0005_01_f_2019_45				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Sutter Maintenance Yard Maintenance Area 0005

No Photos

Photo 1 of 1 : FA\_2019\_MA0005\_196\_32\_20190822\_00012.jpg



View of the trees along the landside toe blocking visibility.

Photo 1 of 1 : FA\_2019\_MA0005\_196\_47\_20191028\_00086.jpg



View of trees that require trimming along the landside slope. Fall 2019.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable        C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	<b>1.01</b>	Rating **	M	Issue No.	<b>51</b>
LM End	<b>1.01</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.684497°	39.684497°
				-121.776905°	-121.776905°
DWR ID	DWR_MA0005_01_f_2016_51				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	<b>1.11</b>	Rating **	M	Issue No.	<b>52</b>
LM End	<b>1.14</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.683208°	39.682695°
				-121.776279°	-121.776325°
DWR ID	DWR_MA0005_01_f_2016_52				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	<b>1.58</b>	Rating **	A/W	Issue No.	<b>73</b>
LM End	<b>1.68</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.676588°	39.675280°
				-121.777977°	-121.779005°
DWR ID	DWR_MA0005_01_f_2018_73				
Comment Code					
Inspector Comment					
2017 Site ID: BTC 1.8 L Status: Eroding New 2017 Field Notes: Long vertical scarp on toe. Site History:					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	<b>1.60</b>	Rating **	A/W	Issue No.	<b>71</b>
LM End	<b>1.64</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		39.676298°	39.675818°	
			-121.778272°	-121.778630°	
DWR ID	MA5-N-01				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:224 Site Designation:MA5-N-01 Repair Type: Erosion Rating:Serious Field Date:6/8/2017 Notes: This soil has more sand and less clay than the other MA5 site, more clay in the levee than in the bank here. There are several small bank erosion sites nearby.					

No Photos

LM Start	<b>1.61</b>	Rating **	C	Issue No.	<b>16</b>
LM End	<b>1.61</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.676129°	39.676129°	
			-121.778171°	-121.778171°	
DWR ID	DWR_MA0005_01_s_2013_16				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	2.54	Rating **	M	Issue No.	9
LM End	2.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.663876 °	39.663876 °
				-121.784014 °	-121.784014 °
DWR ID	DWR_MA0005_01_f_2012_9				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_MA0005\_196\_9\_20190822\_00004.jpg



View of the vehicle erosion along the landside slope.

LM Start	3.07	Rating **	M	Issue No.	62
LM End	3.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.656814°	39.656814°
				-121.787130°	-121.787130°
DWR ID	DWR_MA0005_01_f_2019_62				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	3.68	Rating **	M	Issue No.	70
LM End	3.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.648585 °	39.648585 °
				-121.787238 °	-121.787238 °
DWR ID	DWR_MA0005_01_s_2019_70				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	3.87	Rating **	M	Issue No.	905
LM End	3.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.646217 °	39.646217 °
				-121.785431 °	-121.785431 °
DWR ID	1616				

**Comment Code**

**Inspector Comment**

DS\_ID:1616  
FS\_ID:54141  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 06/05/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP)  
05/15/2017 Crossing appears to be in good condition. LS inlet is located in the Distribution box on the LS toe. This is an overflow pipe used to regulate water levels in side the box. Pipe has been selected to be internally cleaned and inspected as part fo the DMP project. (DWR Sutter Yard- AFreitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/9/2016 Crossing appears to be in good condition.8/5/2015 WS pipe end is being overgrown by trees and other vegetation. Needs to be cleared back.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/20/2013 Same as last inspection.5/29/2013 Same as last inspection.  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.0 feet below the crown. Slide gate in a corrugated metal riser on the waterside (WS) slope. Flap gate on the WS toe. Inlet on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1990 (HLM 3.95). USACE Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960, (Station 381+36)].  
FS Date: 6/5/2019 2:07:47 PM

LM Start	<b>3.87</b>	Rating **	M	Issue No.	<b>905 (cont)</b>
LM End	<b>3.87</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_54141\_79700.jpg



CMP riser and slide gate on WS shoulder

Photo 2 of 3 : UCIP\_FA\_2019\_54141\_79696.jpg



View inside of concrete distribution box on LS

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	3.87	Rating **	M	Issue No.	905 (cont)	
LM End	3.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.646217 °	39.646217 °	
				-121.785431 °	-121.785431 °	
DWR ID	1616					
Comment Code						
Inspector Comment						
DS_ID:1616 FS_ID:54141 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/05/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP) 05/15/2017 Crossing appears to be in good condition. LS inlet is located in the Distribution box on the LS toe. This is an overflow pipe used to regulate water levels in side the box. Pipe has been selected to be internally cleaned and inspected as part fo the DMP project. (DWR Sutter Yard- AFreitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/9/2016 Crossing appears to be in good condition.8/5/2015 WS pipe end is being overgrown by trees and other vegetation. Needs to be cleared back.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/20/2013 Same as last inspection.5/29/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.0 feet below the crown. Slide gate in a corrugated metal riser on the waterside (WS) slope. Flap gate on the WS toe. Inlet on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1990 (HLM 3.95). USACE Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960, (Station 381+36)]. FS Date: 6/5/2019 2:07:47 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_54141\_79699.jpg



Steel welded pipe inside of concrete distribution box on LS goes toward the levee

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	3.87	Rating **	M	Issue No.	906
LM End	3.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.646194 °	39.646194 °
				-121.785418 °	-121.785418 °
DWR ID	1617				

**Comment Code**

**Inspector Comment**

DS\_ID:1617  
FS\_ID:54142  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 06/05/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP)5/15/2017 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)5/9/2016 Crossing appears to be in good condition.8/5/2015 Crossing appears in good condition. No noticeable issues to report.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/20/2013 Same as last inspection.5/29/2013 Same as last inspection.  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal irrigation siphon pipe through the levee, 16.5 feet below the crown. Slide gate in corrugated metal riser on the waterside (WS) slope. Pipe appears to be currently used for irrigation purposes. 4-foot by 8-foot concrete distribution box on the landside (LS), 40 feet from the LS toe. [Additional Reference(s): DWR Levee Log, 1990 (HLM 3.95). USACE Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960, (Station 381+42), pipe varies in size: 24-inch pipe (right bank), 24-inch through Butte Creek, and 3-foot by 3-foot (36-inch by 36-inch) culvert (left bank)].  
FS Date: 6/5/2019 2:29:42 PM

LM Start	<b>3.87</b>	Rating **	M	Issue No.	<b>906 (cont)</b>
LM End	<b>3.87</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_54142\_79701.jpg



CMP riser and slide gate on WS shoulder

Photo 2 of 3 : UCIP\_FA\_2019\_54142\_79703.jpg



Inside view of CMP riser on WS shoulder

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

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Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	3.87	Rating **	M	Issue No.	906 (cont)	
LM End	3.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.646194 °	39.646194 °	
				-121.785418 °	-121.785418 °	
DWR ID	1617					
Comment Code						
Inspector Comment						
DS_ID:1617 FS_ID:54142 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/05/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP)5/15/2017 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)5/9/2016 Crossing appears to be in good condition.8/5/2015 Crossing appears in good condition. No noticeable issues to report.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/20/2013 Same as last inspection.5/29/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation siphon pipe through the levee, 16.5 feet below the crown. Slide gate in corrugated metal riser on the waterside (WS) slope. Pipe appears to be currently used for irrigation purposes. 4-foot by 8-foot concrete distribution box on the landside (LS), 40 feet from the LS toe. [Additional Reference(s): DWR Levee Log, 1990 (HLM 3.95). USACE Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960, (Station 381+42), pipe varies in size: 24-inch pipe (right bank), 24-inch through Butte Creek, and 3-foot by 3-foot (36-inch by 36-inch) culvert (left bank)]. FS Date: 6/5/2019 2:29:42 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_54142\_67932.jpg



Concrete distribution box on LS, 40-feet from LS toe

LM Start	4.65	Rating **	M	Issue No.	66
LM End	4.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.636645 °	39.636645 °
				-121.777703 °	-121.777703 °
DWR ID	DWR_MA0005_01_s_2019_66				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The tree limbs should be removed from the landside slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	5.56	Rating **	M	Issue No.	908	
LM End	5.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.624559 °	39.624559 °	
				-121.772141 °	-121.772141 °	
DWR ID	1620					
Comment Code						
Inspector Comment						
DS_ID:1620 FS_ID:54040 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2019 (O. Magana - DWR UCIP)05/15/2017 Abandoned and needs to be done properly. A sink hole formed in the WS toe road and revealed the location of the WS pipe end. Sink hole will ned to be repaired before the next high water season but the pipe has been selected to be internally cleaned and camera inspected as part of the DMP project so it will have needed to be excavated along the WS end anyways. (DWR Sutter Yard- AFreitag)11/15/2016 Abandoned. Needs cover for the standpipe. (DWR Sutter Yard- AFreitag)05/09/2016 Abandoned pipe. Needs a cover for the standpipe.08/05/2015 Abandoned crossing. Covers need to be made for tops of standpipes to prevent falls.12/08/2014 Same as last inspection.06/11/2014 Same as last inspection.11/19/2013 Same as last inspection.05/29/2013 Same as last inspection. Land owner said pipes are abandoned and no longer used. Covers should be made for top of standpipe to prevent falls. Pipes should be properly abandoned.10/30/2012 Pipe 1/2 filled with soil at slide gate end. FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 36-inch drainage pipe through the levee, 11 feet below the crown. Slide gate in a 54-inch corrugated metal riser on the waterside (WS) slope. Concrete "U" headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990 (HLM 5.66). Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960 (Station 470+00)]. FS Date: 5/23/2019 5:10:38 PM						

Photo 1 of 2 : UCIP\_FA\_2019\_54040\_67941.jpg



Headwall at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	5.56	Rating **	M	Issue No.	908 (cont)	
LM End	5.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.624559 °	39.624559 °	
				-121.772141 °	-121.772141 °	
DWR ID	1620					
Comment Code						
Inspector Comment						
DS_ID:1620 FS_ID:54040 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2019 (O. Magana - DWR UCIP)05/15/2017 Abandoned and needs to be done properly. A sink hole formed in the WS toe road and revealed the location of the WS pipe end. Sink hole will ned to be repaired before the next high water season but the pipe has been selected to be internally cleaned and camera inspected as part of the DMP project so it will have needed to be excavated along the WS end anyways. (DWR Sutter Yard- AFreitag)11/15/2016 Abandoned. Needs cover for the standpipe. (DWR Sutter Yard- AFreitag)05/09/2016 Abandoned pipe. Needs a cover for the standpipe.08/05/2015 Abandoned crossing. Covers need to be made for tops of standpipes to prevent falls.12/08/2014 Same as last inspection.06/11/2014 Same as last inspection.11/19/2013 Same as last inspection.05/29/2013 Same as last inspection. Land owner said pipes are abandoned and no longer used. Covers should be made for top of standpipe to prevent falls. Pipes should be properly abandoned.10/30/2012 Pipe 1/2 filled with soil at slide gate end. FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 36-inch drainage pipe through the levee, 11 feet below the crown. Slide gate in a 54-inch corrugated metal riser on the waterside (WS) slope. Concrete "U" headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990 (HLM 5.66). Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960 (Station 470+00)]. FS Date: 5/23/2019 5:10:38 PM						

Photo 2 of 2 : UCIP\_FA\_2019\_54040\_67940.jpg



54-inch CMP riser and slide gate on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	5.56	Rating **	M	Issue No.	909	
LM End	5.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.624559 °	39.624559 °	
				-121.772141 °	-121.772141 °	
DWR ID	1768					
Comment Code						
Inspector Comment						
DS_ID:1768 FS_ID:54039 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2019 (O. Magana - DWR UCIP)05/15/2017 Abandoned and needs to be done properly. A sink hole formed in the WS toe road and revealed the location of the WS pipe end. Sink hole will ned to be repaired before the next high water season but the pipe has been selected to be internally cleaned and camera inspected as part of the DMP project so it will have needed to be excavated along the WS end anyways. (DWR Sutter Yard- AFreitag)11/15/2016 Abandoned. Needs standpipe cover. (DWR Sutter Yard- AFreitag)05/09/2016 Abandoned pipe. Needs a cover for standpipe.08/05/2015 Abandoned pipes. Need covers made for tops of standpipes to prevent falls. 12/08/2014 Same as last inspection.06/11/2014 Same as last inspection.11/19/2013 Same as last inspection.05/29/2013 Same as last inspection. Land owner said pipes are abandoned and no longer used. Covers should be made for top of standpipe to prevent falls. Pipes should be properly abandoned.10/30/2012 Pipe 1/2 filled with soil at slide gate on WS. FIELD_STRUCT_DESC: *ABANDONED* 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate in a 54-inch corrugated metal riser on the waterside (WS) slope. Concrete "U" shaped headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990 (HLM 5.66). Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960 (Station 470+00)]. FS Date: 5/23/2019 5:08:45 PM						

Photo 1 of 3 : UCIP\_FA\_2019\_54039\_67939.jpg



Headwall at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	5.56	Rating **	M	Issue No.	909 (cont)	
LM End	5.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.624559 °	39.624559 °	
				-121.772141 °	-121.772141 °	
DWR ID	1768					
Comment Code						
Inspector Comment						
DS_ID:1768 FS_ID:54039 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2019 (O. Magana - DWR UCIP)05/15/2017 Abandoned and needs to be done properly. A sink hole formed in the WS toe road and revealed the location of the WS pipe end. Sink hole will ned to be repaired before the next high water season but the pipe has been selected to be internally cleaned and camera inspected as part of the DMP project so it will have needed to be excavated along the WS end anyways. (DWR Sutter Yard- AFreitag)11/15/2016 Abandoned. Needs standpipe cover. (DWR Sutter Yard- AFreitag)05/09/2016 Abandoned pipe. Needs a cover for standpipe.08/05/2015 Abandoned pipes. Need covers made for tops of standpipes to prevent falls. 12/08/2014 Same as last inspection.06/11/2014 Same as last inspection.11/19/2013 Same as last inspection.05/29/2013 Same as last inspection. Land owner said pipes are abandoned and no longer used. Covers should be made for top of standpipe to prevent falls. Pipes should be properly abandoned.10/30/2012 Pipe 1/2 filled with soil at slide gate on WS. FIELD_STRUCT_DESC: *ABANDONED* 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate in a 54-inch corrugated metal riser on the waterside (WS) slope. Concrete "U" shaped headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990 (HLM 5.66). Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960 (Station 470+00)]. FS Date: 5/23/2019 5:08:45 PM						

Photo 2 of 3 : UCIP\_FA\_2019\_54039\_67938.jpg



Headwall at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	5.56	Rating **	M	Issue No.	909 (cont)	
LM End	5.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.624559 °	39.624559 °	
				-121.772141 °	-121.772141 °	
DWR ID	1768					
Comment Code						
Inspector Comment						
DS_ID:1768 FS_ID:54039 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2019 (O. Magana - DWR UCIP)05/15/2017 Abandoned and needs to be done properly. A sink hole formed in the WS toe road and revealed the location of the WS pipe end. Sink hole will ned to be repaired before the next high water season but the pipe has been selected to be internally cleaned and camera inspected as part of the DMP project so it will have needed to be excavated along the WS end anyways. (DWR Sutter Yard- AFreitag)11/15/2016 Abandoned. Needs standpipe cover. (DWR Sutter Yard- AFreitag)05/09/2016 Abandoned pipe. Needs a cover for standpipe.08/05/2015 Abandoned pipes. Need covers made for tops of standpipes to prevent falls. 12/08/2014 Same as last inspection.06/11/2014 Same as last inspection.11/19/2013 Same as last inspection.05/29/2013 Same as last inspection. Land owner said pipes are abandoned and no longer used. Covers should be made for top of standpipe to prevent falls. Pipes should be properly abandoned.10/30/2012 Pipe 1/2 filled with soil at slide gate on WS. FIELD_STRUCT_DESC: *ABANDONED* 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate in a 54-inch corrugated metal riser on the waterside (WS) slope. Concrete "U" shaped headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990 (HLM 5.66). Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960 (Station 470+00)]. FS Date: 5/23/2019 5:08:45 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_54039\_67937.jpg



Slide gate at bottom of cmp riser.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	5.81	Rating **	U	Issue No.	56
LM End	5.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.621261 °	39.621261 °
				-121.773973 °	-121.773973 °
DWR ID	DWR_MA0005_01_f_2016_56				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : FA\_2019\_MA0005\_196\_56\_20190822\_00027.jpg



View of the landside toe erosion.

LM Start	<b>5.81</b>	Rating **	U	Issue No.	<b>56 (cont)</b>
LM End	<b>5.81</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2019\_MA0005\_196\_56\_20190822\_00028.jpg



Another view of the landside toe erosion.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	<b>7.58</b>	Rating **	M	Issue No.	<b>911</b>
LM End	<b>7.58</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		39.597725 °	39.597725 °	
			-121.787257 °	-121.787257 °	
DWR ID	1628				

**Comment Code**

**Inspector Comment**

DS\_ID:1628  
FS\_ID:51970  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 5/16/2017 LS inlet is almost completely buried. Nothing visible on the WS. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- A Freitag)11/15/2016 Appears abandoned and should be done so properly. (DWR Sutter Yard- A Freitag)5/11/2016 Possibly an abandoned crossing. LS inlet was over 50% buried and nothing was found on the WS.8/4/2015 LS pipe end filled about 50% with soil and WS pipe end is buried.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection.10/30/2012 Pipe filled with soil and outlet/appurtenances are buried.  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 24-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS). Concrete "U" shaped headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1990 (HLM 7.70). USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, April 1955, (Station 576+72). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 2, April 1950, (Station 576+72.4)].  
FS Date: 5/31/2017 1:58:05 PM

LM Start	<b>7.58</b>	Rating **	M	Issue No.	<b>911 (cont)</b>
LM End	<b>7.58</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_FA\_2019\_51970\_67970.jpg



Headwall at LS toe.

Photo 2 of 2 : UCIP\_FA\_2019\_51970\_67969.jpg



Headwall at LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	<b>7.70</b>	Rating **	A/W	Issue No.	<b>72</b>
LM End	<b>7.70</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		39.596076°	39.596076°	
			-121.788123°	-121.788123°	
DWR ID	MA5-02				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:225 Site Designation:MA5-02 Repair Type: Erosion Rating:Area of Concern Field Date:6/8/2017 Notes: Total length is 108 ft.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	<b>8.21</b>	Rating **	M	Issue No.	<b>912</b>
LM End	<b>8.21</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		39.589751 °	39.589751 °	
			-121.792818 °	-121.792818 °	
DWR ID	1629				

**Comment Code**

**Inspector Comment**

DS\_ID:1629  
FS\_ID:51972  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 5/16/2017 LS inlet is half blocked off by flash boards and sediment. WS flap gate is blocked closed by sediment. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/15/2016 LS inlet was unburied and entire pipe is about 25% full of soil. WS flapgate was shut and partially buried. (DWR Sutter Yard- AFreitag)5/11/2016 WS flap gate was about 50% buried and LS was 100% buried. Appears to be an abandoned crossing.8/4/2015 WS flap gate is partially buried by soil and being overgrown with vegetation. LS pipe end was underwater and suspected to still be completely buried with soil.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection.10/30/2012 Pipe filled with soil.  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal drainage pipe through the levee, 9.3 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls at the landside (LS) and the WS toes.  
[Additional Reference(s): DWR Levee Log, 1990 (HLM 8.35). USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, April 1955, (Station 609+79). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 3, April 1950, (Station 609+78.5)].  
FS Date: 5/31/2017 1:59:10 PM

LM Start	<b>8.21</b>	Rating **	M	Issue No.	<b>912 (cont)</b>
LM End	<b>8.21</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_51972\_67973.jpg



Outlet at WS toe.

Photo 2 of 3 : UCIP\_FA\_2019\_51972\_67972.jpg



Buried inlet at LS toe.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	8.21	Rating **	M	Issue No.	912 (cont)							
LM End	8.21	Issue Type +	Ma	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DRAFT DWR UCIP LMA Responsibility		39.589751 °	39.589751 °								
			-121.792818 °	-121.792818 °								
DWR ID	1629											
Comment Code												
Inspector Comment												
DS_ID:1629 FS_ID:51972 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2017 LS inlet is half blocked off by flash boards and sediment. WS flap gate is blocked closed by sediment. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/15/2016 LS inlet was unburied and entire pipe is about 25% full of soil. WS flapgate was shut and partially buried. (DWR Sutter Yard- AFreitag)5/11/2016 WS flap gate was about 50% buried and LS was 100% buried. Appears to be an abandoned crossing.8/4/2015 WS flap gate is partially buried by soil and being overgrown with vegetation. LS pipe end was underwater and suspected to still be completely buried with soil.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection.10/30/2012 Pipe filled with soil. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9.3 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls at the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990 (HLM 8.35). USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, April 1955, (Station 609+79). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 3, April 1950, (Station 609+78.5)]. FS Date: 5/31/2017 1:59:10 PM												

Photo 3 of 3 : UCIP\_FA\_2019\_51972\_67971.jpg



Flap gate at WS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	9.52	Rating **	A/W	Issue No.	914
LM End	9.52	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.575072 °	39.575072 °
				-121.807805 °	-121.807805 °
DWR ID	1775				
Comment Code					
Inspector Comment					
DS_ID:1775					
FS_ID:51976					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: 5/16/2017 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)5/11/2016 Crossing appears to be in good condition.8/4/2015 Crossing is in good condition. No noticeable issues to report.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch.10/30/2012 Seems there should be flap gates on this structure.					
FIELD_STRUCT_DESC: [Robert's Creek Outlet Structure] 1 of 4: 66-inch corrugated metal drainage pipe through the levee, 17.9 feet below the crown. Concrete headwalls on the landside (LS) and the waterside (WS). Flap gate located on the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 9.66). USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, April 1955, (Station 678+00). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 3, April 1950].					
FS Date: 5/31/2017 2:10:41 PM					

Photo 1 of 2 : UCIP\_FA\_2019\_51976\_67979.jpg



WS of pipe crossing

LM Start	<b>9.52</b>	Rating **	A/W	Issue No.	<b>914 (cont)</b>
LM End	<b>9.52</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_FA\_2019\_51976\_67978.jpg



LS of pipe crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	9.52	Rating **	A/W	Issue No.	915	
LM End	9.52	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.575036 °	39.575036 °	
				-121.807807 °	-121.807807 °	
DWR ID	1774					
Comment Code						
Inspector Comment						
DS_ID:1774						
FS_ID:51977						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 5/16/2017 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)5/11/2016 Crossing appears to be in good condition.8/4/2015 Crossing is in good condition. No noticeable issues to report.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch.10/30/2012 Seems there should be flap gates on this structure.						
FIELD_STRUCT_DESC: [Robert's Creek Outlet Structure] 2 of 4: 66-inch corrugated metal drainage pipe through the levee, 17.9 feet below the crown. Concrete headwalls on the landside (LS) and the waterside (WS). Flap gate located on the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 9.66). USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, April 1955, (Station 678+00). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 3, April 1950].						
FS Date: 5/31/2017 2:12:05 PM						

Photo 1 of 2 : UCIP\_FA\_2019\_51977\_67981.jpg



WS of crossing.

LM Start	<b>9.52</b>	Rating **	A/W	Issue No.	<b>915 (cont)</b>
LM End	<b>9.52</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_FA\_2019\_51977\_67980.jpg



LS of crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	9.52	Rating **	A/W	Issue No.	916
LM End	9.52	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.575000 °	39.575000 °
				-121.807808 °	-121.807808 °
DWR ID	1632				
Comment Code					
Inspector Comment					
DS_ID:1632 FS_ID:51978 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 5/16/2017 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)5/11/2016 Crossing appears to be in good condition.8/4/2015 Crossing appears in good condition. No noticeable issues to report.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch.10/30/2012 Seems there should be flap gates on this structure. FIELD_STRUCT_DESC: [Robert's Creek Outlet Structure] 3 of 4: 66-inch corrugated metal drainage pipe through the levee, 17.9 feet below the crown. Concrete headwalls on the landside (LS) and the waterside (WS). Flap gate located on the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 9.66). USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, April 1955, (Station 678+00). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 3, April 1950]. FS Date: 5/31/2017 2:13:48 PM					

Photo 1 of 2 : UCIP\_FA\_2019\_51978\_67982.jpg



WS of crossing.

LM Start	<b>9.52</b>	Rating **	A/W	Issue No.	<b>916 (cont)</b>
LM End	<b>9.52</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_FA\_2019\_51978\_67983.jpg



LS of crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	9.52	Rating **	A/W	Issue No.	917
LM End	9.52	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.574964 °	39.574964 °
				-121.807810 °	-121.807810 °
DWR ID	1773				
Comment Code					
Inspector Comment					
DS_ID:1773 FS_ID:51979 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 5/16/2017 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)5/11/2016 Crossing appears to be in good condition.8/4/2015 Crossing appears in good condition. No noticeable issues to report.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch.10/30/2012 Seems there should be flap gates on this structure. FIELD_STRUCT_DESC: [Robert's Creek Outlet Structure] 4 of 4: 66-inch corrugated metal drainage pipe through the levee, 17.9 feet below the crown. Concrete headwalls on the landside (LS) and the waterside (WS). Flap gate located on the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 9.66). USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, April 1955, (Station 678+00). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 3, April 1950]. FS Date: 5/31/2017 2:14:38 PM					

Photo 1 of 2 : UCIP\_FA\_2019\_51979\_67985.jpg



WS of crossing.

LM Start	<b>9.52</b>	Rating **	A/W	Issue No.	<b>917 (cont)</b>
LM End	<b>9.52</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_FA\_2019\_51979\_67984.jpg



LS of crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	10.84	Rating **	M	Issue No.	920
LM End	10.84	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.562559 °	39.562559 °
				-121.825808 °	-121.825808 °
DWR ID	1635				
Comment Code					
Inspector Comment					
DS_ID:1635 FS_ID:51982 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2017 Abandoned- needs to be done so properly. (DWR Sutter Yard- AFreitag)11/15/2016 Abandoned. (DWR Sutter Yard- AFreitag)5/11/2016 Abandoned crossing.8/4/2015 Abandoned pipe. Casey Wilder has started the steps to have the pipe properly abandoned and removed from the levee.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection.10/30/2012 Pipe buried on both sides of levee. FIELD_STRUCT_DESC: *ABANDONED* 30-inch corrugated metal drainage pipe through the levee, 12.2 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1990 (HLM 10.99). USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, April 1955, (Station 748+53). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 4, April 1950]. FS Date: 5/31/2017 2:18:08 PM					

Photo 1 of 2 : UCIP\_FA\_2019\_51982\_67991.jpg



Concrete headwall at LS toe.

LM Start	<b>10.84</b>	Rating **	M	Issue No.	<b>920 (cont)</b>
LM End	<b>10.84</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_FA\_2019\_51982\_67990.jpg



Concrete headwall at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	10.87	Rating **	M	Issue No.	67
LM End	10.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.562177 °	39.562177 °
				-121.826072 °	-121.826072 °
DWR ID	DWR_MA0005_01_s_2017_67				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Repair the erosion along the water side slope.					

Photo 1 of 1 : FA\_2019\_MA0005\_196\_67\_20190822\_00030.jpg



View of erosion along the waterside slope.

LM Start	11.36	Rating **	A/W	Issue No.	922
LM End	11.36	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.556741 °	39.556741 °
				-121.832071 °	-121.832071 °
DWR ID	1636				
Comment Code					
Inspector Comment					
DS_ID:1636 FS_ID:51990 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 5/16/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard-AFreitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/11/2016 Crossing appears to be in good condition.8/4/2015 Crossing appears in good condition. No noticeable issues to report.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection. FIELD_STRUCT_DESC: 1 of 4: 54-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990 (HLM 11.52). USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, April 1955, (Station 25+18 "A"). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 4, April 1950]. FS Date: 5/31/2017 2:25:00 PM					

Photo 1 of 2 : UCIP\_FA\_2019\_51990\_68007.jpg



WS headwall and flap gates at WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	11.36	Rating **	A/W	Issue No.	922 (cont)	
LM End	11.36	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.556741 °		39.556741 °
				-121.832071 °		-121.832071 °
DWR ID	1636					
Comment Code						
Inspector Comment						
DS_ID:1636 FS_ID:51990 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 5/16/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- A/Freitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A/Freitag)5/11/2016 Crossing appears to be in good condition.8/4/2015 Crossing appears in good condition. No noticeable issues to report.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection. FIELD_STRUCT_DESC: 1 of 4: 54-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990 (HLM 11.52). USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, April 1955, (Station 25+18 "A"). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 4, April 1950]. FS Date: 5/31/2017 2:25:00 PM						

Photo 2 of 2 : UCIP\_FA\_2019\_51990\_68006.jpg



LS intake headwall.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	11.36	Rating **	A/W	Issue No.	923
LM End	11.36	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.556716 °	39.556716 °
				-121.832097 °	-121.832097 °
DWR ID	1782				

**Comment Code**

**Inspector Comment**

DS\_ID:1782  
FS\_ID:51991  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 5/16/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- A/Freitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A/Freitag)5/11/2016 Crossing appears to be in good condition.8/4/2015 Crossing appears in good condition. No noticeable issues to report.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection.  
FIELD\_STRUCT\_DESC: 2 of 4: 54-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990 (HLM 11.52). USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, April 1955, (Station 25+18 "A"). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 4, April 1950].  
FS Date: 5/31/2017 2:31:05 PM

LM Start	<b>11.36</b>	Rating **	A/W	Issue No.	<b>923 (cont)</b>
LM End	<b>11.36</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_FA\_2019\_51991\_68009.jpg



Headwall and flap gates at WS toe.

Photo 2 of 2 : UCIP\_FA\_2019\_51991\_68008.jpg



Headwall at LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	11.37	Rating **	A/W	Issue No.	924
LM End	11.37	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.556693 °	39.556693 °
				-121.832119 °	-121.832119 °
DWR ID	1783				
Comment Code					
Inspector Comment					
DS_ID:1783 FS_ID:51992 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 5/16/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- A/Freitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A/Freitag)5/11/2016 Crossing appears to be in good condition.8/4/2015 Crossing appears in good condition. No noticeable issues to report.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection. FIELD_STRUCT_DESC: 3 of 4: 54-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990 (HLM 11.52). USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, April 1955, (Station 25+18 "A"). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 4, April 1950]. FS Date: 5/31/2017 2:32:13 PM					

Photo 1 of 2 : UCIP\_FA\_2019\_51992\_68011.jpg



Headwall and flap gates at WS toe.

LM Start	<b>11.37</b>	Rating **	A/W	Issue No.	<b>924 (cont)</b>
LM End	<b>11.37</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_FA\_2019\_51992\_68010.jpg



Headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	11.37	Rating **	A/W	Issue No.	925
LM End	11.37	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.556681 °	39.556681 °
				-121.832130 °	-121.832130 °
DWR ID	1784				

**Comment Code**

**Inspector Comment**

DS\_ID:1784  
FS\_ID:51993  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 5/16/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- A Freitag) 11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag) 5/11/2016 Crossing appears to be in good condition. 8/4/2015 Crossing appears in good condition. No noticeable issues to report. 6/11/2014 Same as last inspection. 11/19/2013 Same as last inspection. 5/29/2013 Same as last inspection.  
FIELD\_STRUCT\_DESC: 4 of 4: 54-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990 (HLM 11.52). USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, April 1955, (Station 25+18 "A"). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 4, April 1950].  
FS Date: 5/31/2017 2:32:54 PM

LM Start	<b>11.37</b>	Rating **	A/W	Issue No.	<b>925 (cont)</b>
LM End	<b>11.37</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_FA\_2019\_51993\_68013.jpg



Headwall and flap gates at WS toe.

Photo 2 of 2 : UCIP\_FA\_2019\_51993\_68012.jpg



Headwall on LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	13.69	Rating **	M	Issue No.	69
LM End	13.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.531032 °	39.531032 °
				-121.856977 °	-121.856977 °
DWR ID	DWR_MA0005_01_s_2017_69				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_MA0005\_196\_69\_20190822\_00031.jpg



Repair the erosion along the landside slope and toe.

LM Start	14.46	Rating **	M	Issue No.	927
LM End	14.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.522200 °	39.522200 °
				-121.865592 °	-121.865592 °
DWR ID	1639				
Comment Code					
Inspector Comment					
DS_ID:1639 FS_ID:51999 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2017 Soil still eroded away from the WS wing walls. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/15/2016 No soil supporting the WS wing walls. (DWR Sutter Yard- AFreitag)5/11/2016 Still no soil supporting the WS wing walls and apron. WS vegetation was thinner and not a problem this time.8/4/2015 No soil supporting the WS wing walls at the WS pipe end. WS pipe end is also being overgrown with vegetation and should be cleared back.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection.10/31/2012 Soil under Concrete wing walls on WS toe has been eroded. No soil supporting wing walls. FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on the landside (LS) and the WS ends. [Additional Reference(s): DWR Levee Log, 1990 (HLM 14.66). USACE Sacramento O&M Manual 515, April 1955, (Station 978+25). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 5, April 1950, (Station 978+24.95)]. FS Date: 5/31/2017 2:39:05 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_51999\_68033.jpg



Headwall at inlet on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	10/23/2019 10/23/2019	Makar Sokol

LM Start	14.46	Rating **	M	Issue No.	927 (cont)	
LM End	14.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.522200 °	39.522200 °	
				-121.865592 °	-121.865592 °	
DWR ID	1639					
Comment Code						
Inspector Comment						
DS_ID:1639 FS_ID:51999 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2017 Soil still eroded away from the WS wing walls. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/15/2016 No soil supporting the WS wing walls. (DWR Sutter Yard- AFreitag)5/11/2016 Still no soil supporting the WS wing walls and apron. WS vegetation was thinner and not a problem this time.8/4/2015 No soil supporting the WS wing walls at the WS pipe end. WS pipe end is also being overgrown with vegetation and should be cleared back.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection.10/31/2012 Soil under Concrete wing walls on WS toe has been eroded. No soil supporting wing walls. FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on the landside (LS) and the WS ends. [Additional Reference(s): DWR Levee Log, 1990 (HLM 14.66). USACE Sacramento O&M Manual 515, April 1955, (Station 978+25). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 5, April 1950, (Station 978+24.95)]. FS Date: 5/31/2017 2:39:05 PM						

Photo 2 of 3 : UCIP\_FA\_2019\_51999\_68032.jpg



CMP pipe, flap gate, and headwall on WS toe.

LM Start	<b>14.46</b>	Rating **	M	Issue No.	<b>927 (cont)</b>
LM End	<b>14.46</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_51999\_68031.jpg



Wingwalls of headwall not supported by soil.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	1.60	Rating **	C	Issue No.	69
LM End	1.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.534170 °	39.534170 °
				-121.856853 °	-121.856853 °
DWR ID	DWR_MA0005_02_s_2017_69				
Comment Code					
DE : Debris					
Inspector Comment					
Remove the debris from the waterside toe.					

No Photos

LM Start	1.90	Rating **	M	Issue No.	49
LM End	1.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.537445°	39.537445°
				-121.853112°	-121.853112°
DWR ID	DWR_MA0005_02_f_2016_49				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_MA0005\_197\_49\_20190822\_00024.jpg



View of the landside toe erosion.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	1.91	Rating **	U	Issue No.	83
LM End	1.91	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.537455 °	39.537455 °
				-121.853061 °	-121.853061 °
DWR ID	1645				

**Comment Code**

**Inspector Comment**

DS\_ID:1645  
FS\_ID:53009  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 10/5/2018 Unable to see pipe on waterside due to high water level in the creek. Erosion is present around headwall on LS. Screw gate on LS blocked with silt approximately halfway in height. (O.Yakimov - DWR UCIP) 5/18/2017 LS erosion still present. WS flap gate has been completely buried by sediment after the high water flows through the area. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 LS erosion still present and is into the prism of the levee. WS flap gate was still mostly buried and non-operational. (DWR Sutter Yard- AFreitag)5/23/2016 The tree that was overgrowing the WS flapgate has been removed. Flap gate was half buried and unable to open. Erosion on the LS is still present. (DWR Sutter Yard - afreitag)7/28/2015 LS inlet is underwater but there appears to be erosion behind the LS headwall. WS pipe end and flap gate are completely overgrown and inaccessible for inspection. (DWR Sutter Yard - afreitag)11/25/2014 Tree is overgrowing the WS pipe outlet.. Needs to be trimmed back. (DWR Sutter Yard - afreitag)6/4/2014 Same as last inspection. (DWR Sutter Yard - afreitag)11/12/2013 Same as last inspection. (DWR Sutter Yard - afreitag)6/6/2013 Same as last inspection. (DWR Sutter Yard - afreitag)10/31/2012 Vegetation needs to be cleared from outlet. (DWR UCIP - wwylie)  
FIELD\_STRUCT\_DESC: 36-inch corrugated metal drainage pipe through the levee, 17 feet below the crown. Flap gate on the waterside (WS). Slide gate on the landside (LS) toe. Concrete headwalls at both the LS and the WS toes. [Additional Reference(s): DWR Levee Log, 1990 (HLM 1.92). USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, (Station 902+50). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 5, April 1950].  
FS Date: 10/5/2018 11:20:19 AM

Photo 1 of 3 : UCIP\_FA\_2019\_53009\_68497.jpg



Flap gate on WS slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
N/A : Not Applicable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	<b>1.91</b>	Rating **	U	Issue No.	<b>83 (cont)</b>
LM End	<b>1.91</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.537455 °	39.537455 °
				-121.853061 °	-121.853061 °
DWR ID	1645				

**Comment Code**

**Inspector Comment**

DS\_ID:1645  
 FS\_ID:53009  
 EP\_NO: N/A  
 Repair Type: Urgent  
 Crossing Status: Found  
 UCIP Comments: 10/5/2018 Unable to see pipe on waterside due to high water level in the creek. Erosion is present around headwall on LS. Screw gate on LS blocked with silt approximately halfway in height. (O.Yakimov - DWR UCIP) 5/18/2017 LS erosion still present. WS flap gate has been completely buried by sediment after the high water flows through the area. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 LS erosion still present and is into the prism of the levee. WS flap gate was still mostly buried and non-operational. (DWR Sutter Yard- AFreitag)5/23/2016 The tree that was overgrowing the WS flapgate has been removed. Flap gate was half buried and unable to open. Erosion on the LS is still present. (DWR Sutter Yard - afreitag)7/28/2015 LS inlet is underwater but there appears to be erosion behind the LS headwall. WS pipe end and flap gate are completely overgrown and inaccessible for inspection. (DWR Sutter Yard - afreitag)11/25/2014 Tree is overgrowing the WS pipe outlet.. Needs to be trimmed back. (DWR Sutter Yard - afreitag)6/4/2014 Same as last inspection. (DWR Sutter Yard - afreitag)11/12/2013 Same as last inspection. (DWR Sutter Yard - afreitag)6/6/2013 Same as last inspection. (DWR Sutter Yard - afreitag)10/31/2012 Vegetation needs to be cleared from outlet. (DWR UCIP - wwylie)  
 FIELD\_STRUCT\_DESC: 36-inch corrugated metal drainage pipe through the levee, 17 feet below the crown. Flap gate on the waterside (WS). Slide gate on the landside (LS) toe. Concrete headwalls at both the LS and the WS toes. [Additional Reference(s): DWR Levee Log, 1990 (HLM 1.92). USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, (Station 902+50). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 5, April 1950].  
 FS Date: 10/5/2018 11:20:19 AM

Photo 2 of 3 : UCIP\_FA\_2019\_53009\_68496.jpg



Flap gate on WS slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	1.91	Rating **	U	Issue No.	83 (cont)	
LM End	1.91	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.537455 °	39.537455 °	
				-121.853061 °	-121.853061 °	
DWR ID	1645					

**Comment Code**

**Inspector Comment**

DS\_ID:1645  
FS\_ID:53009  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 10/5/2018 Unable to see pipe on waterside due to high water level in the creek. Erosion is present around headwall on LS. Screw gate on LS blocked with silt approximately halfway in height. (O.Yakimov - DWR UCIP) 5/18/2017 LS erosion still present. WS flap gate has been completely buried by sediment after the high water flows through the area. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 LS erosion still present and is into the prism of the levee. WS flap gate was still mostly buried and non-operational. (DWR Sutter Yard- AFreitag)5/23/2016 The tree that was overgrowing the WS flapgate has been removed. Flap gate was half buried and unable to open. Erosion on the LS is still present. (DWR Sutter Yard - afreitag)7/28/2015 LS inlet is underwater but there appears to be erosion behind the LS headwall. WS pipe end and flap gate are completely overgrown and inaccessible for inspection. (DWR Sutter Yard - afreitag)11/25/2014 Tree is overgrowing the WS pipe outlet.. Needs to be trimmed back. (DWR Sutter Yard - afreitag)6/4/2014 Same as last inspection. (DWR Sutter Yard - afreitag)11/12/2013 Same as last inspection. (DWR Sutter Yard - afreitag)6/6/2013 Same as last inspection. (DWR Sutter Yard - afreitag)10/31/2012 Vegetation needs to be cleared from outlet. (DWR UCIP - wwylie)  
FIELD\_STRUCT\_DESC: 36-inch corrugated metal drainage pipe through the levee, 17 feet below the crown. Flap gate on the waterside (WS). Slide gate on the landside (LS) toe. Concrete headwalls at both the LS and the WS toes. [Additional Reference(s): DWR Levee Log, 1990 (HLM 1.92). USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, (Station 902+50). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 5, April 1950].  
FS Date: 10/5/2018 11:20:19 AM

Photo 3 of 3 : UCIP\_FA\_2019\_53009\_74600.jpg



WS flap gate overgrown with vegetation.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	3.38	Rating **	U	Issue No.	55
LM End	3.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.555027 °	39.555027 °
				-121.837555 °	-121.837555 °
DWR ID	DWR_MA0005_02_f_2019_55				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_MA0005\_197\_55\_20191028\_00099.jpg



View of sloughing on the landside slope. Fall 2019.

LM Start	3.39	Rating **	C	Issue No.	82
LM End	3.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.555170 °	39.555170 °
				-121.837392 °	-121.837392 °
DWR ID	DWR_MA0005_02_s_2019_82				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the trees from the waterside slope and toe.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	4.03	Rating **	A/W	Issue No.	85
LM End	4.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.562271 °	39.562271 °
				-121.829610 °	-121.829610 °
DWR ID	1647				
Comment Code					
Inspector Comment					
DS_ID:1647					
FS_ID:52014					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Tree near the LS screw gate could use some trimming. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- A/Freitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A/Freitag)5/23/2016 Crossing appears to be in good condition.7/28/2015 Pipe appears in good condition. No noticeable issues to report.6/6/2013 Same as last inspection.11/12/2013 Same as last inspection.6/04/2014 Same as last inspection.11/25/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 14.3 feet below the crown. Slide gate on the landside (LS). Flap gate on the waterside (WS). Concrete headwall at the LS toe. Concrete splash apron on the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 4.08). USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, April 1955, (Station 5+20 "A"). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 4, April 1950].					
FS Date: 6/1/2017 9:47:13 AM					

Photo 1 of 3 : UCIP\_FA\_2019\_52014\_68064.jpg



Concrete headwall and slide gate at LS toe.

LM Start	<b>4.03</b>	Rating **	A/W	Issue No.	<b>85 (cont)</b>
LM End	<b>4.03</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_52014\_68063.jpg



Concrete headwall and slide gate at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	4.03	Rating **	A/W	Issue No.	85 (cont)	
LM End	4.03	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.562271 °	39.562271 °	
				-121.829610 °	-121.829610 °	
DWR ID	1647					
Comment Code						
Inspector Comment						
DS_ID:1647						
FS_ID:52014						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Tree near the LS screw gate could use some trimming. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/23/2016 Crossing appears to be in good condition.7/28/2015 Pipe appears in good condition. No noticeable issues to report.6/6/2013 Same as last inspection.11/12/2013 Same as last inspection.6/04/2014 Same as last inspection.11/25/2014 Same as last inspection.						
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 14.3 feet below the crown. Slide gate on the landside (LS). Flap gate on the waterside (WS). Concrete headwall at the LS toe. Concrete splash apron on the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 4.08). USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, April 1955, (Station 5+20 "A"). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 4, April 1950].						
FS Date: 6/1/2017 9:47:13 AM						

Photo 3 of 3 : UCIP\_FA\_2019\_52014\_68062.jpg



Flap gate at outlet on WS berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	5.35	Rating **	M	Issue No.	86	
LM End	5.35	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.576008°	39.576008°	
				-121.812599°	-121.812599°	
DWR ID	1650					
Comment Code						
Inspector Comment						
DS_ID:1650 FS_ID:54041 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2019 (O. Magana - DWR UCIP)05/18/2017 Abandoned- only WS riser found. (DWR Sutter Yard-AFreitag)11/14/2016 Abandoned. (DWR Sutter Yard-AFreitag)05/23/2016 Abandoned07/28/2015 Abandoned- still cannot locate a LS ans WS pipe end.11/25/2014 Same as last inpection.06/04/2014 Same as last inspection.11/12/2013 Same as last inspection.06/06/2013 Same as last inspection.10/31/2012 Appears abandoned. Unable to locate outfall on WS. Unable to locate inlet on LS. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 12.5 feet below the crown. Slide gate and flap gate in a 56-inch corrugated metal riser on the waterside (WS) berm. Flap gate on the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 5.41). USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, April 1955, (Station 688+40). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 3, April 1950]. FS Date: 5/23/2019 5:12:46 PM						

LM Start	<b>5.35</b>	Rating **	M	Issue No.	<b>86 (cont)</b>
LM End	<b>5.35</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_FA\_2019\_54041\_68105.jpg



Slide gate and flap gate inside CMP riser on WS berm.

Photo 2 of 2 : UCIP\_FA\_2019\_54041\_68104.jpg



56-inch CMP riser on WS berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	5.84	Rating **	M	Issue No.	81
LM End	5.84	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.582199 °	39.582199 °
				-121.808001 °	-121.808001 °
DWR ID	DWR_MA0005_02_s_2019_81				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
Crown should be graded to remove washboard on the road surface.					

No Photos

LM Start	6.47	Rating **	A/W	Issue No.	87
LM End	6.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.589146 °	39.589146 °
				-121.800463 °	-121.800463 °
DWR ID	1654				
Comment Code					
Inspector Comment					
DS_ID:1654 FS_ID:52049 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/23/2016 Crossing appears to be in good condition. 7/28/2015 Crossing appears in good condition. No noticeable issues to report.11/24/2014 Same as last inspection.6/04/2014 Same as last inspection.11/12/2013 Same as last inspection.6/6/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9.4 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls at both the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990 (HLM 6.56). USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, April 1955, (Station 627+00). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 3, April 1950]. FS Date: 6/1/2017 1:10:07 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_52049\_68122.jpg



Flap gate on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	6.47	Rating **	A/W	Issue No.	87 (cont)	
LM End	6.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.589146 °		39.589146 °
				-121.800463 °		-121.800463 °
DWR ID	1654					
Comment Code						
Inspector Comment						
DS_ID:1654 FS_ID:52049 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/23/2016 Crossing appears to be in good condition.7/28/2015 Crossing appears in good condition. No noticeable issues to report.11/24/2014 Same as last inspection.6/04/2014 Same as last inspection.11/12/2013 Same as last inspection.6/6/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9.4 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls at both the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990 (HLM 6.56). USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, April 1955, (Station 627+00). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 3, April 1950]. FS Date: 6/1/2017 1:10:07 PM						

Photo 2 of 3 : UCIP\_FA\_2019\_52049\_68121.jpg



Headwall on LS toe.

LM Start	<b>6.47</b>	Rating **	A/W	Issue No.	<b>87 (cont)</b>
LM End	<b>6.47</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_52049\_68120.jpg



Headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	7.74	Rating **	U	Issue No.	53
LM End	7.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.605088 °	39.605088 °
				-121.788569 °	-121.788569 °
DWR ID	DWR_MA0005_02_f_2016_53				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : FA\_2019\_MA0005\_197\_53\_20190822\_00025.jpg



View of the rodent holes along the landside slope.

LM Start	<b>7.74</b>	Rating **	U	Issue No.	<b>53 (cont)</b>
LM End	<b>7.74</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2019\_MA0005\_197\_53\_20190822\_00026.jpg



View of the rodent holes along the crown and waterside slope.

LM Start	7.90	Rating **	M	Issue No.	58
LM End	7.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.607030°	39.607030°
				-121.787067°	-121.787067°
DWR ID	DWR_MA0005_02_f_2019_58				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	7.96	Rating **	M	Issue No.	62
LM End	7.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.607505 °	39.607505 °
				-121.786241 °	-121.786241 °
DWR ID	DWR_MA0005_02_f_2019_62				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	7.98	Rating **	M	Issue No.	13
LM End	7.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.607710 °	39.607710 °
				-121.785868 °	-121.785868 °
DWR ID	DWR_MA0005_02_s_2012_13				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 2 : FA\_2019\_MA0005\_197\_13\_20190822\_00006.jpg



View of the vehicle erosion along the slope.

LM Start	<b>7.98</b>	Rating **	M	Issue No.	<b>13 (cont)</b>
LM End	<b>7.98</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2019\_MA0005\_197\_13\_20190822\_00007.jpg



View of the vehicle erosion along the landside slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	8.00	Rating **	M	Issue No.	88	
LM End	8.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.607802 °	39.607802 °	
				-121.785597 °	-121.785597 °	
DWR ID	1656					
Comment Code						
Inspector Comment						
DS_ID:1656 FS_ID:52052 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/18/2017 LS inlet is almost completely full of soil. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 LS inlet almost completely full of soil. (DWR Sutter Yard- AFreitag)5/23/2016 LS end is almost completel full of soil.7/28/2015 Pipe is still over 3/4 full of soil. 11/24/2014 Same as last inspection.6/04/2014 Same as last inspection.11/12/2013 Same as last inspection.6/6/2013 Same as last inspection.10/31/2012 Pipe 3/4 full with soil on LS. FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee at an unknown depth below the crown. Concrete headwall at the landside (LS) toe. Flap gate on the waterside (WS). [Additional Reference(s): USACE Sacramento O&M Manual, Unit 515 - Upper Butte Creek - Part No. 1, April 1955, pipe referenced only in USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 2, April 1950, (Station 550+42)]. FS Date: 6/1/2017 1:15:55 PM						

Photo 1 of 2 : UCIP\_FA\_2019\_52052\_68129.jpg



Flap gate at WS toe.

LM Start	<b>8.00</b>	Rating **	M	Issue No.	<b>88 (cont)</b>
LM End	<b>8.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_FA\_2019\_52052\_68128.jpg



Concrete headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	8.06	Rating **	M	Issue No.	40
LM End	8.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.608563 °	39.608563 °
				-121.785058 °	-121.785058 °
DWR ID	DWR_MA0005_02_f_2014_40				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_MA0005\_197\_40\_20190822\_00016.jpg



View of the vehicle slope instability along the landside slope.

LM Start	8.11	Rating **	A/W	Issue No.	89	
LM End	8.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.609162 °		39.609162 °
				-121.784647 °		-121.784647 °
DWR ID	1662					
Comment Code						
Inspector Comment						
DS_ID:1662 FS_ID:52059 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/12/2016 Crossing appears to be in good condition.7/30/2015 Crossing is in good condition. No noticeable issues to report.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Same as last inspection..6/6/2013 Same as last inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 16.3 feet below the crown. Flap gate on the waterside (WS). Concrete "U" shaped headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 8.21). USACE Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960, (Station 374+90). USACE As-Built Drawing No. 50-4-3367, Exhibit B, Sheet 13, April 1957]. FS Date: 6/1/2017 1:25:58 PM						

Photo 1 of 3 : UCIP\_FA\_2019\_52059\_68394.jpg



Concrete inlet on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	8.11	Rating **	A/W	Issue No.	89 (cont)	
LM End	8.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.609162 °	39.609162 °	
				-121.784647 °	-121.784647 °	
DWR ID	1662					
Comment Code						
Inspector Comment						
DS_ID:1662 FS_ID:52059 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/12/2016 Crossing appears to be in good condition.7/30/2015 Crossing is in good condition. No noticeable issues to report.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Same as last inspection..6/6/2013 Same as last inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 16.3 feet below the crown. Flap gate on the waterside (WS). Concrete "U" shaped headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 8.21). USACE Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960, (Station 374+90). USACE As-Built Drawing No. 50-4-3367, Exhibit B, Sheet 13, April 1957]. FS Date: 6/1/2017 1:25:58 PM						

Photo 2 of 3 : UCIP\_FA\_2019\_52059\_68393.jpg



Concrete inlet on LS toe.

LM Start	8.11	Rating **	A/W	Issue No.	89 (cont)
LM End	8.11	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_52059\_68392.jpg



Concrete outlet and flap gate on WS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	8.76	Rating **	U	Issue No.	73
LM End	8.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.617598°	39.617598°
				-121.779100°	-121.779100°
DWR ID	DWR_MA0005_02_f_2019_73				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_MA0005\_197\_73\_20191028\_00101.jpg



View of two large rodent burrows on the landside slope and toe. Fall 2019.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	8.77	Rating **	A/W	Issue No.	90	
LM End	8.77	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.617747 °	39.617747 °	
				-121.778964 °	-121.778964 °	
DWR ID	1663					
Comment Code						
Inspector Comment						
DS_ID:1663 FS_ID:52061 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/12/2016 Crossing appears to be in good condition.7/30/2015 Crossing appears in good condition. No noticeable issues to report.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Damaged pipe section was dug up and replaced. New WS flapgate with u-shaped wingwall installed on end of pipe.6/6/2013 Same as last inspection. Plans have been made to repair during summer of 2013 before high water season.11/01/2012 Pipe rusted through along bottom at WS outlet. Sink hole over pipe on WS berm. WS headwall eroded eternally around backside of headwall. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 8.89). USACE Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960, pipe is only referenced in USACE As-Built Drawing No. 50-4-3367, Exhibit B, Sheet 11, (Station 340+04)]. FS Date: 6/1/2017 1:27:46 PM						

Photo 1 of 3 : UCIP\_FA\_2019\_52061\_68397.jpg



Concrete U-shaped headwall on LS toe.

LM Start	<b>8.77</b>	Rating **	A/W	Issue No.	<b>90 (cont)</b>
LM End	<b>8.77</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_52061\_68396.jpg



Concrete U-shaped headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	8.77	Rating **	A/W	Issue No.	90 (cont)	
LM End	8.77	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.617747 °	39.617747 °	
				-121.778964 °	-121.778964 °	
DWR ID	1663					
Comment Code						
Inspector Comment						
DS_ID:1663 FS_ID:52061 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- A/Freitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A/Freitag)5/12/2016 Crossing appears to be in good condition. 7/30/2015 Crossing appears in good condition. No noticeable issues to report. 11/24/2014 Same as last inspection. 6/4/2014 Same as last inspection. 11/13/2013 Damaged pipe section was dug up and replaced. New WS flapgate with u-shaped wingwall installed on end of pipe. 6/6/2013 Same as last inspection. Plans have been made to repair during summer of 2013 before high water season. 11/01/2012 Pipe rusted through along bottom at WS outlet. Sink hole over pipe on WS berm. WS headwall eroded eternally around backside of headwall. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 8.89). USACE Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960, pipe is only referenced in USACE As-Built Drawing No. 50-4-3367, Exhibit B, Sheet 11, (Station 340+04)]. FS Date: 6/1/2017 1:27:46 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_52061\_68395.jpg



Concrete U shaped outlet and flap gate at WS of Berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	8.80	Rating **	M	Issue No.	91
LM End	8.80	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.618163°	39.618163°
				-121.778745°	-121.778745°
DWR ID	1664				
Comment Code					
Inspector Comment					
DS_ID:1664 FS_ID:52062 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/18/2017 No LS slide gate but not sure its even needed. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 LS slide gate still missing. Rest of crossing appears in good condition. (DWR Sutter Yard- AFreitag)5/12/2016 LS inlet was unburied. Slide gate still missing7/30/2015 LS inlet is still buried.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Same as last inspection.6/6/2013 Same as last inspection.11/01/2012 LS inlet is buried under soil and covered with brambles. Slide gate missing from LS. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS). Concrete headwall on the WS. Concrete headwall on the landside (LS), not found. [Additional Reference(s): DWR Levee Log, 1990 (HLM 8.93). USACE Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960, (Station 338+04). USACE As-Built Drawing No. 50-4-3367, Exhibit B, Sheet 11, April 1957]. FS Date: 6/1/2017 1:29:34 PM					

LM Start	<b>8.80</b>	Rating **	M	Issue No.	<b>91 (cont)</b>
LM End	<b>8.80</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_52062\_68406.jpg



WS outlet and concrete U shaped headwall.

Photo 2 of 3 : UCIP\_FA\_2019\_52062\_68404.jpg



Brambles and soil over pipe at inlet.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	8.80	Rating **	M	Issue No.	91 (cont)	
LM End	8.80	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.618163 °	39.618163 °	
				-121.778745 °	-121.778745 °	
DWR ID	1664					
Comment Code						
Inspector Comment						
DS_ID:1664 FS_ID:52062 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/18/2017 No LS slide gate but not sure its even needed. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- A/Freitag)11/14/2016 LS slide gate still missing. Rest of crossing appears in good condition. (DWR Sutter Yard- A/Freitag)5/12/2016 LS inlet was unburied. Slide gate still missing7/30/2015 LS inlet is still buried.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Same as last inspection.6/6/2013 Same as last inspection.11/01/2012 LS inlet is buried under soil and covered with brambles. Slide gate missing from LS. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS). Concrete headwall on the WS. Concrete headwall on the landside (LS), not found. [Additional Reference(s): DWR Levee Log, 1990 (HLM 8.93). USACE Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960, (Station 338+04). USACE As-Built Drawing No. 50-4-3367, Exhibit B, Sheet 11, April 1957]. FS Date: 6/1/2017 1:29:34 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_52062\_68403.jpg



Concrete U shaped headwall and flap gate at WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	9.12	Rating **	A/W	Issue No.	92
LM End	9.12	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.622377°	39.622377°
				-121.776327°	-121.776327°
DWR ID	1665				
Comment Code					
Inspector Comment					
DS_ID:1665 FS_ID:52063 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- A Freitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)5/12/2016 Crossing appears to be in good condition.7/30/2015 Crossing appears in good condition. No noticeable issues to report.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Same as last inspection.6/6/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 9.25). USACE Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960, (Station 321+20)]. FS Date: 6/1/2017 1:32:51 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_52063\_68413.jpg



Concrete U shaped headwall and flap gate on WS toe.

LM Start	9.12	Rating **	A/W	Issue No.	92 (cont)
LM End	9.12	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_52063\_68412.jpg



Concrete U shaped headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	9.12	Rating **	A/W	Issue No.	92 (cont)	
LM End	9.12	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.622377 °	39.622377 °	
				-121.776327 °	-121.776327 °	
DWR ID	1665					
Comment Code						
Inspector Comment						
DS_ID:1665 FS_ID:52063 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/12/2016 Crossing appears to be in good condition. 7/30/2015 Crossing appears in good condition. No noticeable issues to report.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Same as last inspection.6/6/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 9.25). USACE Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960, (Station 321+20)]. FS Date: 6/1/2017 1:32:51 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_52063\_68411.jpg



Concrete U shaped headwall on LS toe.

LM Start	9.44	Rating **	M	Issue No.	77
LM End	9.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.626832 °	39.626832 °
				-121.775195 °	-121.775195 °
DWR ID	DWR_MA0005_02_s_2019_77				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	9.44	Rating **	M	Issue No.	93
LM End	9.44	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.626894 °	39.626894 °
				-121.775180 °	-121.775180 °
DWR ID	1666				
Comment Code					
Inspector Comment					
DS_ID:1666 FS_ID:52064 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/18/2017 LS inlet half full of soil and WS flap gate half buried by sediment. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard-AFreitag)11/14/2016 LS pipe inlet is half full of soil. WS flap gate shut but half buried by sediment. (DWR Sutter Yard-AFreitag)5/12/2016 Pipe is half full of soil.7/30/2015 Pipe is 1/4 to 1/2 full of soil still.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Same as last inspection.6/6/2013 Same as last inspection.11/01/2012 Pipe 1/2 filled with soil. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS). Concrete "U" shaped headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 9.57). USACE Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960, (Station 304+10). USACE As-Built Drawing No. 50-4-3367, Exhibit B, Sheet 3, April 1957]. FS Date: 6/1/2017 1:34:12 PM					

LM Start	<b>9.44</b>	Rating **	M	Issue No.	<b>93 (cont)</b>
LM End	<b>9.44</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_52064\_68417.jpg



View of outlet looking toward WS toe.

Photo 2 of 3 : UCIP\_FA\_2019\_52064\_68416.jpg



View of inlet on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	9.44	Rating **	M	Issue No.	93 (cont)	
LM End	9.44	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.626894 °	39.626894 °	
				-121.775180 °	-121.775180 °	
DWR ID	1666					
Comment Code						
Inspector Comment						
DS_ID:1666 FS_ID:52064 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/18/2017 LS inlet half full of soil and WS flap gate half buried by sediment. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard-AFreitag)11/14/2016 LS pipe inlet is half full of soil. WS flap gate shut but half buried by sediment. (DWR Sutter Yard-AFreitag)5/12/2016 Pipe is half full of soil.7/30/2015 Pipe is 1/4 to 1/2 full of soil still.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Same as last inspection.6/6/2013 Same as last inspection.11/01/2012 Pipe 1/2 filled with soil. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS). Concrete "U" shaped headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 9.57). USACE Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960, (Station 304+10). USACE As-Built Drawing No. 50-4-3367, Exhibit B, Sheet 3, April 1957]. FS Date: 6/1/2017 1:34:12 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_52064\_68415.jpg



Concrete U-shaped headwall on LS toe.

LM Start	9.81	Rating **	M	Issue No.	76
LM End	9.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.632002 °	39.632002 °
				-121.775759 °	-121.775759 °
DWR ID	DWR_MA0005_02_s_2019_76				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	10.63	Rating **	M	Issue No.	18
LM End	10.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.642061°	39.642061°
				-121.783861°	-121.783861°
DWR ID	DWR_MA0005_02_s_2012_18				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_MA0005\_197\_18\_20190822\_00008.jpg



View of the vehicle erosion along the slope of the levee.

LM Start	10.84	Rating **	C	Issue No.	68
LM End	10.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.644722 °	39.644722 °
				-121.785945 °	-121.785945 °
DWR ID	DWR_MA0005_02_f_2019_68				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree limbs from the landside slope and toe.					

No Photos

LM Start	10.95	Rating **	M	Issue No.	59
LM End	10.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.646036 °	39.646598 °
				-121.786944 °	-121.787365 °
DWR ID	DWR_MA0005_02_f_2016_59				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	11.05	Rating **	M	Issue No.	26
LM End	11.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.647400 °	39.647400 °
				-121.787825 °	-121.787825 °
DWR ID	DWR_MA0005_02_f_2012_26				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	11.10	Rating **	C	Issue No.	36
LM End	11.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.647913 °	39.647913 °
				-121.788330 °	-121.788330 °
DWR ID	DWR_MA0005_02_s_2015_36				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The tree should be removed from the landside toe.					

No Photos

LM Start	11.77	Rating **	M	Issue No.	71
LM End	11.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.657115 °	39.657115 °
				-121.788703 °	-121.788703 °
DWR ID	DWR_MA0005_02_f_2018_71				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_MA0005\_197\_71\_20190822\_00036.jpg



View of the rodent holes along the landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	<b>12.37</b>	Rating **	C	Issue No.	<b>72</b>
LM End	<b>12.37</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.665142°	39.665142°
				-121.785103°	-121.785103°
DWR ID	DWR_MA0005_02_s_2019_72				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>12.63</b>	Rating **	C	Issue No.	<b>66</b>
LM End	<b>12.63</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.668912°	39.668912°
				-121.784376°	-121.784376°
DWR ID	DWR_MA0005_02_s_2019_66				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>12.70</b>	Rating **	C	Issue No.	<b>63</b>
LM End	<b>12.70</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.669856°	39.669856°
				-121.784095°	-121.784095°
DWR ID	DWR_MA0005_02_s_2019_63				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	12.80	Rating **	M	Issue No.	96	
LM End	12.80	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.670982 °	39.670982 °	
				-121.783103 °	-121.783103 °	
DWR ID	1673					
Comment Code						
Inspector Comment						
DS_ID:1673 FS_ID:54048 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2019 (O. Magana - DWR UCIP)05/18/2017 Abandoned- needs to be done properly. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- A Freitag)11/14/2016 Abandoned- needs a cover for standpipe. (DWR Sutter Yard- A Freitag)05/11/2016 Abandoned crossing. Needs a cover for the WS riser.08/03/2015 Crossing appears abandoned. Only the slide gate inside riser on the WS shoulder could be found. Riser needs a cover made for it.11/24/2014 Same as last inspection.06/04/2014 Same as last inspection.11/13/2013 Slide gate top and stem were repaired to make gate operational.06/06/2013 New slidegate is planned to be installed during summer of 2013.11/01/2012 Slide gate on WS shoulder bent and damaged (inoperable) Pipe appears abandoned. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Slide gate in a corrugated metal riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1990 (HLM 12.98). USACE Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960, (Station 126+91)]. FS Date: 5/23/2019 5:20:37 PM						

Photo 1 of 3 : UCIP\_FA\_2019\_54048\_68465.jpg



Broken slide gate in CM riser on WS slope.

LM Start	12.80	Rating **	M	Issue No.	96 (cont)
LM End	12.80	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_54048\_68464.jpg



Abandoned headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	12.80	Rating **	M	Issue No.	96 (cont)	
LM End	12.80	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.670982 °	39.670982 °	
				-121.783103 °	-121.783103 °	
DWR ID	1673					
Comment Code						
Inspector Comment						
DS_ID:1673 FS_ID:54048 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2019 (O. Magana - DWR UCIP)05/18/2017 Abandoned- needs to be done properly. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- A Freitag)11/14/2016 Abandoned- needs a cover for standpipe. (DWR Sutter Yard- A Freitag)05/11/2016 Abandoned crossing. Needs a cover for the WS riser.08/03/2015 Crossing appears abandoned. Only the slide gate inside riser on the WS shoulder could be found. Riser needs a cover made for it.11/24/2014 Same as last inspection.06/04/2014 Same as last inspection.11/13/2013 Slide gate top and stem were repaired to make gate operational.06/06/2013 New slidegate is planned to be installed during summer of 2013.11/01/2012 Slide gate on WS shoulder bent and damaged (inoperable) Pipe appears abandoned. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Slide gate in a corrugated metal riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1990 (HLM 12.98). USACE Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960, (Station 126+91)]. FS Date: 5/23/2019 5:20:37 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_54048\_68463.jpg



Broken slide gate in CM riser on WS slope.

LM Start	12.84	Rating **	M	Issue No.	9
LM End	12.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.671281 °	39.671281 °
				-121.782390 °	-121.782389 °
DWR ID	DWR_MA0005_02_s_2019_9				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_MA0005\_197\_9\_20190822\_00005.jpg



View of the animal burrows on the landside slope. Spring 2019.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	13.40	Rating **	A/W	Issue No.	99
LM End	13.40	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.678550 °	39.678550 °
				-121.778339 °	-121.778339 °
DWR ID	1679				
Comment Code					
Inspector Comment					
DS_ID:1679					
FS_ID:52083					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: 5/18/2017 Crossing appears to be in good condition.					
Pipe has been selected to be internally cleaned and inspected as part					
of the DMP project. (DWR Sutter Yard- A Freitag)11/14/2016					
Crossing appears to be in good condition. (DWR Sutter Yard-					
A Freitag)5/11/2016 Crossing appears to be in good					
condition.8/3/2015 Crossing appears in good condition. No					
noticeable issues to report.11/25/2014 Same as last					
inspection.6/4/2014 Same as last inspection.11/13/2013 Same as					
last inspection.6/6/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe					
through the levee, 14.5 feet below the crown. Concrete "U" shaped					
headwall on the waterside (WS). Flap gate on the WS. [Additional					
Reference(s): DWR Levee Log, 1990 (HLM 13.61). USACE					
Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2,					
April 1960, (Station 93+78)].					
FS Date: 6/1/2017 2:09:55 PM					

LM Start	<b>13.40</b>	Rating **	A/W	Issue No.	<b>99 (cont)</b>
LM End	<b>13.40</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_52083\_68531.jpg



Inlet relocated after bridge replacement away from LS toe.

Photo 2 of 3 : UCIP\_FA\_2019\_52083\_68530.jpg



Inlet 50-feet NW of levee crown.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	13.40	Rating **	A/W	Issue No.	99 (cont)	
LM End	13.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.678550 °	39.678550 °	
				-121.778339 °	-121.778339 °	
DWR ID	1679					
Comment Code						
Inspector Comment						
DS_ID:1679						
FS_ID:52083						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 5/18/2017 Crossing appears to be in good condition.						
Pipe has been selected to be internally cleaned and inspected as part						
of the DMP project. (DWR Sutter Yard- A Freitag)11/14/2016						
Crossing appears to be in good condition. (DWR Sutter Yard-						
A Freitag)5/11/2016 Crossing appears to be in good						
condition.8/3/2015 Crossing appears in good condition. No						
noticeable issues to report.11/25/2014 Same as last						
inspection.6/4/2014 Same as last inspection.11/13/2013 Same as						
last inspection.6/6/2013 Same as last inspection.						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe						
through the levee, 14.5 feet below the crown. Concrete "U" shaped						
headwall on the waterside (WS). Flap gate on the WS. [Additional						
Reference(s): DWR Levee Log, 1990 (HLM 13.61). USACE						
Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2,						
April 1960, (Station 93+78)].						
FS Date: 6/1/2017 2:09:55 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_52083\_68533.jpg



Concrete U-shaped headwall and flap gate at WS slope.

LM Start	14.13	Rating **	M	Issue No.	43
LM End	14.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.688715 °	39.688715 °
				-121.778345 °	-121.778345 °
DWR ID	DWR_MA0005_02_f_2014_43				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
The landowner disked into the slope of the levee.					

Photo 1 of 1 : FA\_2019\_MA0005\_197\_43\_20190822\_00019.jpg



View of the tilling into the landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	14.39	Rating **	C	Issue No.	38
LM End	14.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.692284 °	39.692284 °
				-121.779394 °	-121.779394 °
DWR ID	DWR_MA0005_02_s_2016_38				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the fallen trees from the waterside slope.					

No Photos

LM Start	14.46	Rating **	A/W	Issue No.	102
LM End	14.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.693331 °	39.693331 °
				-121.779556 °	-121.779556 °
DWR ID	1682				
Comment Code					
Inspector Comment					
DS_ID:1682 FS_ID:54049 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 05/23/2019 (O. Magana - DWR UCIP)05/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)05/11/2016 Crossing appears to be in good condition.08/03/2015 Crossing appears in good condition. No noticeable issues to report.11/25/2014 Same as last inspection.06/04/2014 Same as last inspection.11/13/2013 Same as last inspection.06/06/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.2 feet below the crown. Concrete "U" shaped headwall and grouted spillway on the waterside (WS). Slide gate in a 48-inch concrete standpipe on the landside (LS). Flap gate on the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 14.68). USACE Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960, (Station 37+10)]. FS Date: 5/23/2019 5:21:51 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_54049\_68544.jpg



Outlet at U-shaped headwall on WS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	14.46	Rating **	A/W	Issue No.	102 (cont)	
LM End	14.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.693331 °		39.693331 °
				-121.779556 °		-121.779556 °
DWR ID	1682					
Comment Code						
Inspector Comment						
DS_ID:1682 FS_ID:54049 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 05/23/2019 (O. Magana - DWR UCIP)05/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- A Freitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)05/11/2016 Crossing appears to be in good condition.08/03/2015 Crossing appears in good condition. No noticeable issues to report.11/25/2014 Same as last inspection.06/04/2014 Same as last inspection.11/13/2013 Same as last inspection.06/06/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.2 feet below the crown. Concrete "U" shaped headwall and grouted spillway on the waterside (WS). Slide gate in a 48-inch concrete standpipe on the landside (LS). Flap gate on the WS. [Additional Reference(s): DWR Levee Log, 1990 (HLM 14.68). USACE Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960, (Station 37+10)]. FS Date: 5/23/2019 5:21:51 PM						

LM Start	<b>14.46</b>	Rating **	A/W	Issue No.	<b>102 (cont)</b>
LM End	<b>14.46</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_54049\_68543.jpg



Concrete lined channel on LS toe.

Photo 3 of 3 : UCIP\_FA\_2019\_54049\_68542.jpg



Concrete standpipe and slide gate on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	14.47	Rating **	M	Issue No.	103	
LM End	14.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.693406 °		39.693406 °
				-121.779583 °		-121.779583 °
DWR ID	1683					
Comment Code						
Inspector Comment						
DS_ID:1683 FS_ID:52087 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/18/2017 WS appears to be in good condition. LS inlet is across a ditch and inaccessible for inspection due to dense vegetation and being down a very steep slope. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- A Freitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)5/11/2016 Crossing appears to be in good condition.8/3/2015 Crossing appears in good condition. No noticeable issues to report.6/6/2013 Same as last inspection.11/13/2013 Same as last inspection.6/4/2014 Same as last inspection.11/25/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 14.3 feet below the crown. Concrete "U" headwalls on both the landside (LS) and the waterside (WS). Flap gate on the WS. Inlet downhill from a concrete lined channel at the low point on the LS toe. [Additional Reference(s): DWR Levee Log, 1990 (HLM 14.69). USACE Sacramento O&M Manual, Unit 516 - Upper Butte Creek - Part No. 2, April 1960, (Station 36+85)]. FS Date: 6/1/2017 2:14:24 PM						

Photo 1 of 2 : UCIP\_FA\_2019\_52087\_68541.jpg



Inlet at LS toe.

LM Start	<b>14.47</b>	Rating **	M	Issue No.	<b>103 (cont)</b>
LM End	<b>14.47</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_FA\_2019\_52087\_68540.jpg



Outlet at WS toe with flap gate and concrete U-shaped headwall.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	10/23/2019 10/23/2019	Makar Sokol

LM Start	14.48	Rating **	M	Issue No.	78
LM End	14.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.693617 °	39.693617 °
				-121.779498 °	-121.779498 °
DWR ID	DWR_MA0005_02_f _ 2019_78				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	16.05	Rating **	M	Issue No.	39
LM End	16.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.714016 °	39.714016 °
				-121.782317 °	-121.782317 °
DWR ID	DWR_MA0005_02_f _ 2016_39				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_MA0005\_197\_39\_20190822\_00015.jpg



View of the rodent holes along the landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard Maintenance Area 0005**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Little Chico Creek Diversion	Left	1.49	10/23/2019 10/23/2019	Makar Sokol

LM Start	0.55	Rating **	A	Issue No.	1
LM End	0.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.724271°	39.724271°
				-121.781058°	-121.781058°
DWR ID	DWR_MA0005_03_f_2019_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Vegetation is well maintained on both landside and waterside slopes.					

Photo 1 of 1 : FA\_2019\_MA0005\_198\_1\_20191028\_00001.jpg



View of well-maintained waterside slope, free of vegetation. Fall 2019.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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